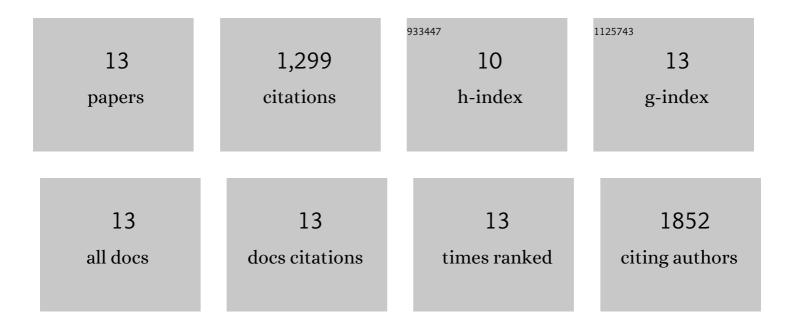
Melissa L Zastrow

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Protein Design: Toward Functional Metalloenzymes. Chemical Reviews, 2014, 114, 3495-3578.	47.7	379
2	Hydrolytic catalysis and structural stabilization in a designed metalloprotein. Nature Chemistry, 2012, 4, 118-123.	13.6	293
3	Designing Hydrolytic Zinc Metalloenzymes. Biochemistry, 2014, 53, 957-978.	2.5	126
4	Designing functional metalloproteins: From structural to catalytic metal sites. Coordination Chemistry Reviews, 2013, 257, 2565-2588.	18.8	109
5	Modulation of extrasynaptic NMDA receptors by synaptic and tonic zinc. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2705-14.	7.1	109
6	Influence of Active Site Location on Catalytic Activity in <i>de Novo</i> -Designed Zinc Metalloenzymes. Journal of the American Chemical Society, 2013, 135, 5895-5903.	13.7	78
7	Reaction-Based Probes for Imaging Mobile Zinc in Live Cells and Tissues. ACS Sensors, 2016, 1, 32-39.	7.8	69
8	A far-red emitting probe for unambiguous detection of mobile zinc in acidic vesicles and deep tissue. Chemical Science, 2015, 6, 1944-1948.	7.4	42
9	A Crystallographic Examination of Predisposition versus Preorganization in de Novo Designed Metalloproteins. Journal of the American Chemical Society, 2016, 138, 11979-11988.	13.7	34
10	HaloTag-Based Hybrid Targetable and Ratiometric Sensors for Intracellular Zinc. ACS Chemical Biology, 2020, 15, 396-406.	3.4	33
11	Differential Effects of Transition Metals on Growth and Metal Uptake for Two Distinct <i>Lactobacillus</i> Species. Microbiology Spectrum, 2022, 10, e0100621.	3.0	10
12	Live ell Copperâ€Induced Fluorescence Quenching of the Flavinâ€Binding Fluorescent Protein CreiLOV. ChemBioChem, 2020, 21, 1356-1363.	2.6	9
13	Transition Metals Induce Quenching of Monomeric Near-Infrared Fluorescent Proteins. Biochemistry, 2022, 61, 494-504.	2.5	8